

BOTANICAL REPORT- FERMILAB (2003)

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New Species for the Lab

There were no new species for the lab seen during the 2003 season

TABLE 1

New Species for Individual Tracts

Actinomeris altissima (wingstem)—ELM 1 (Plot 13)
Allium cernuum (nodding wild onion)---ELM 1 (4)
Amorpha canescens (lead plant)---ELM 25 (16)
Aster ericoides (heath aster)---ELM 1 (2)
Baptisia leucantha (white wild indigo)---ELM 1 (9, 13); ELM 25 (18, 20)
Baptisia leucophaea (cream wild indigo)---ELM 1 (4); ELM 25 (15)
Bidens coronata (tall swamp marigold)---ELM 1 (13)
Carex cristatella (crested oval sedge)---ELM 1 (5)
Cicuta maculata (water hemlock)---ELM 25 (18)
Cirsium discolor (pasture thistle)---ELM 1 (7)
Convolvulus sepium (hedge bindweed)---ELM 25 (16)
Coreopsis palmata (prairie coreopsis)---ELM 25 (15, 18, 20); ELM 26 (12)
Coreopsis tripteris (tall coreopsis)---ELM 4 (19)
Elymus canadense (Canada wild rye)---ELM 4 (19)
Equisetum hyemale (tall scouring rush)---ELM 1 (7)
Eryngium yuccifolium (rattlesnake master)---ELM 25 (20)
Eupatorium perfoliatum (common boneset)---ELM 10 (22east)
Euphorbia corollata (flowering spurge) ---ELM 1 (1, 2)
Galium boreale (wild madder)---ELM 1 (3); ELM 26 (12)
Gaura biennis (biennial gaura)---ELM 1 (6)
Helianthus rigidus (prairie sunflower)---ELM 1 (4, 6)
Heliopsis helanthoides (false sunflower)---ELM 26 (18)
Iris virginica shrevei (blue flag)---ELM 1 (13)
Lespedeza capitata (round-headed bushclover)---ELM 1 (13); ELM 25 (16, 18)
Liatris spicata (marsh blazing star)---ELM 1 (13)
Lilium michiganense andinum (prairie lily)---ELM 1 (13); ELM 25 (16)
Lithospermum canescens (hoary puccoon)---ELM 1 (4)
Lobelia siphilitica (great blue lobelia)---ELM 4 (19)
Lycopus americana (common water horehound)---ELM 4 (19)
Lysimachia quadriflora (narrow-leaved loosestrife)---ELM 1 (3)
Oenothera pilosella (prairie sundrops)---ELM 1 (13)
Panicum leibergii (prairie panic grass)---ELM 1 (4)
Pedicularis canadensis (lousewort)---ELM 4 (19)

Penstemon digitalis (foxglove beard tongue)---ELM 1 (2, 5)
Penthorum sedoides (ditch stonecrop)---ELM 4 (19)
Petalostemon candidum (white prairie clover)---ELM 26 (14)
Phlox pilosa (prairie phlox)---ELM 1 (8)
Physostegia virginiana (false dragonhead)---ELM 1 (13); ELM 26 (17); ELM 25 (20)
Polytaenia nuttallii (prairie parsley)---ELM 1 (4, 6)
Prunella vulgaris lanceolata (self-heal, carpenter's weed)---ELM 25 (18)
Pycnanthemum tenuiflorum slender mountain-mint---ELM 4 (19)
Ranunculus pennsylvanicus (bristly buttercup)---BNRR
Scirpus pendulus (red bulrush)---ELM 25 (18)
Silene stellata (starry campion)---ELM 1 (4,10)
Siphium terebinthinaceum (prairie dock)---ELM 4 (19); ELM 25 (20)
Sisyrinchium albidum (common blue-eyed grass)---ELM 1 (7)
Solidago graminifolia (hairy grass-leaved goldenrod)---ELM 25 (20)
Solidago gymnospermoides (viscid grass-leaved goldenrod)---ELM 4 (19); ELM 25 (20)
Solidago juncea (early goldenrod)---ELM 25 (20)
Solidago rigida (stiff goldenrod)---ELM 25 (20)
Spiranthes magnicamporum (great plains ladies' tresses)---ELM 1 (13)
Sorghastrum nutans (Indian grass)---ELM 25 (20)
Sporobolus heterolepis (prairie dropseed)---ELM 1 (7, 9)
Thalictrum dasycarpum (purple meadow rue)---ELM 25 (18)
Tradescantia ohioensis (common spiderwort)---ELM 25 (16B, 20)
Veronicastrum virginicum (Culver's root)---ELM 25 (18, 20)
Viola pedatifida (prairie violet)---ELM 1 (1)
Zizia aurea (golden Alexanders) ---ELM 25 (18, 20)

TABLE 2

<u>PLOT</u>	<u>TIMES VISITED</u>	<u>NUMBERS OF NEW SPECIES</u>
1	2	1
2	2	3
3	1	0
4	5	4
5	1	2
6	2	2
7	3	4
8	1	1
9	2	2
10	1	1
11	1	1
12	1	2
13	3	11
14	1	2
15	1	4
16	2	1
16B	1	1
17	2	1
18	1	8
19	1	9
20	1	14
21	0	0
BN RR	1	2
EJE RR	<u>1</u>	<u>0</u>
	37	76

MITIGATION AREA (2003)

Andropogon gerardii (big bluestem)
Apocynum sibiricum (prairie indian hemp)
Asclepias incarnata ((swamp milkweed)
Asclepias verticillata (whorled milkweed)
Aster azureus (sky-blue aster)
Aster novae-angliae (New England aster)
Baptisia leucantha (white wild indigo)
Carex bicknellii (copper-souldered oval sedge)
Carex lupulina (common hop sedge)
Carex muskingumensis (swamp oval sedge)
Carex vulpinoidea (brown fox sedge)
Cirsium discolor (pasture thistle)
Coreopsis tripteris (tall coreopsis)
Desmodium canadense (showy tick trefoil)
Geum laciniatum jv. *trichocarpum* (rough avens)
Helenium autumnale (sneezeweed)
Helianthus grosseserratus (sawtooth sunflower)
Heliopsis helianthoides (false sunflower)
Iris virginica v. *shrevei* (blue flag)
Liatris pycnostachya (prairie blazing star)
Lycopus americana (common water horehound)
Lysimachia ciliata (fringed loosestrife)
Lysimachia quadriflora (narrow-leaved loosestrife)
Monarda fistulosa (wild bergamot)
Panicum virgatum (switch grass)
Penstemon digitalis (foxglove beard tongue)
Prunella vulgaris lanceolata (self heal)
Pycnanthemum tenuifolium (slender mountain mint)
Pycnanthemum virginianum (common mountain mint)
Ratibida pinnata (yellow coneflower)
Rudbeckia hirta (black-eyed susan)
Scirpus atrovirens (dark green rush)
Silphium laciniatum (compass plant)
Silphium terebinthinaceum (prairie dock)
Solidago graminifolia (common grass-leaved goldenrod)
Solidago juncea (early goldenrod)
Sporobolus heterolepis (prairie dropseed)
Stachys palustris homotricha (woundwort)
Verbena hastate (bluevervain)
Veronicastrum virginicum (Culver's root)